



PATENT

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Signature

Applicant : Oscar E. Agazzi  
Application No. : 09/989,367  
Filed : November 20, 2001  
Title : METHOD AND SYSTEM TO IDENTIFY AND  
CHARACTERIZE NONLINEARITIES IN OPTICAL  
COMMUNICATIONS CHANNELS  
Grp./Div. : 2633  
Examiner : Not Yet Assigned  
Docket No. : 41281/SDB/B600

**RECEIVED**  
APR 23 2003  
Technology Center 2600**INFORMATION DISCLOSURE STATEMENT**  
**37 CFR § 1.97(b)**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Post Office Box 7068  
Pasadena, CA 91109-7068  
April 17, 2003

Commissioner:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, and in accordance with the provisions in the Manual of Patent Examining Procedure §§ 609 and 707.05(b), enclosed is FORM PTO/SB/08A/B listing the references that are known to applicant. Copies of each of the listed references are enclosed. This filing is timely because it is made during one of the periods described in 37 CFR § 1.97(b).

It is respectfully requested that the listed references be considered in the examination of this application and identified on the list of references cited on the patent issuing for this application. Applicant also requests that an initialed copy of FORM PTO/SB/08A/B be entered in the application file and returned to applicant with the next communication from the Office in accordance with MPEP § 609.

Respectfully submitted,  
CHRISTIE, PARKER & HALE, LLP

By

Stephen D. Burbach  
Reg. No. 40,285  
626/795-9900

SDB/dlf

Enclosures: PTO/SB/08A/B, w/references  
DLF PAS499678.1-4/17/03 9:09 AM

FORM PTO/SB/08A/B (10-01)  
Substitute for PTO-1449A/B

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

Attorney Docket Number	41281/SDB/B600
Application Number	09/989,367
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Applicant(s)	Oscar E. Agazzi
Group Art Unit	2633
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U.S. PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - kind code <sup>2</sup> . (If known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup> (✓)

OTHER DOCUMENTS

EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		WINTERS, JACK H. et al., Reducing the Effects of Transmission Impairments in Digital Fiber Optic Systems, IEEE Communications Magazine, June 1993, pp. 68-76.
		KASTURIA, SANJAY et al., Techniques for High-Speed Implementation of Nonlinear Cancellation, IEEE Journal on Selected Areas in Communications, June 1991, pp. 711-717, Vol. 9, No. 5.
		SAUER-GREFF, W., et al., Maximum-Likelihood Sequence Estimation of Nonlinear Channels in High-Speed Optical Fiber Systems, Slide Presentation Material, April 6, 2001, 29 pages.
		KASPER, B.L., Equalization of Multimode Optical Fiber Systems, The Bell System Technical Journal, September 1982, pp. 1367-1388, Vol. 61, No. 7, American Telephone and Telegraph Company.
		WINTERS, JACK H. et al., Electrical Signal Processing Techniques in Long-Haul Fiber-Optic Systems, IEEE Transactions on Communications, September 1990, pp. 1439-1453, Vol. 38, No. 9.

EXAMINER SIGNATURE	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English Language Translation is attached.

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